

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2012 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0009</b>	Overall LMA Rating	Total LMA Miles						
<b>Lake County Watershed Protection District</b>	<b>A</b>	<b>10.47</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.27		0.27	2.58%	0.05			
Trim / Thin Trees	0.13		0.13	1.24%				
Encroachments	0.01		0.01	0.10%	0.12	0.02		
Slope Stability	0.01		0.01	0.10%				
<i>LMA Totals:</i>	0.42	0.00	0.42	4.01%	0.17	0.02	0.00	0.00
<b>Unit No. 01 Middle Creek LB</b>	Overall Unit Rating	Total Unit Miles						
NA0009	<b>A</b>	<b>3.42</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.12		0.12	3.51%	0.05			
Encroachments					0.04			
<i>Unit Totals:</i>	0.12	0.00	0.12	3.51%	0.09	0.00	0.00	0.00
<b>Unit No. 02 Middle Creek RB</b>	Overall Unit Rating	Total Unit Miles						
NA0009	<b>A</b>	<b>3.13</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.01		0.01	0.32%				
Encroachments	0.01		0.01	0.32%	0.01	0.02		
Slope Stability	0.01		0.01	0.32%				
<i>Unit Totals:</i>	0.03	0.00	0.03	0.96%	0.01	0.02	0.00	0.00
<b>Unit No. 03 Scotts Creek LB</b>	Overall Unit Rating	Total Unit Miles						
NA0009	<b>A</b>	<b>1.35</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.06		0.06	4.44%				
Encroachments					0.01			
<i>Unit Totals:</i>	0.06	0.00	0.06	4.44%	0.01	0.00	0.00	0.00
<b>Unit No. 04 Poge, Alley and Clover Creek Diversion RB</b>	Overall Unit Rating	Total Unit Miles						
NA0009	<b>M</b>	<b>1.53</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.07		0.07	4.58%				
Trim / Thin Trees	0.13		0.13	8.50%				
Encroachments					0.06			
<i>Unit Totals:</i>	0.20	0.00	0.20	13.07%	0.06	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2012 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

***Sacramento River Basin (cont.)***

Unit No. 05 Clover Creek and Clover Creek Diversion LB		Overall Unit Rating	Total Unit Miles						
NA0009		<b>A</b>	<b>1.04</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
<i>Earthen Levee</i>									
Vegetation	0.01		0.01	0.96%					
<i>Unit Totals:</i>	0.01	0.00	0.01	0.96%	0.00	0.00	0.00	0.00	

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2012 Levee Inspection Results**

**Lake County Watershed Protection District**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*  
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 01 Middle Creek			Left	3.42
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2012 - 04/11/2012		11/13/2012 - 11/13/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.	

**Summer & Winter Inspections**

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- b) any changes other than the results of normal maintenance
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway					Bank	Unit Miles	Inspection Start/End		Inspector
Unit No. 01 Middle Creek					Left	3.42	11/13/2012 11/13/2012		Bob Duffey
LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1			Earthen Levee	Operations & Maintenance Manuals	LS A Ma		°	°	10
DWR ID: DWR_NA0009_01_s_2012_10									
2			Earthen Levee	Emergency Supplies & Equipment	LS A Ma		°	°	11
DWR ID: DWR_NA0009_01_s_2012_11									
3			Earthen Levee	Flood Preparedness & Training	LS A Ma		°	°	12
DWR ID: DWR_NA0009_01_s_2012_12									
4	1.75	1.75	Earthen Levee	Vegetation	LS A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.167326 ° -122.915565 °	39.167326 ° -122.915565 °	1 Y
DWR ID: DWR_NA0009_01_f_2012_1									
5	2.40	2.40	Earthen Levee	Encroachments	LS M En	BU : Building	39.160217 ° -122.912957 °	39.161692 ° -122.911748 °	7 Y
DWR ID: DWR_NA0009_01_s_2012_7									
6	2.48	2.55	Earthen Levee	Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.161615 ° -122.911733 °	39.160795 ° -122.912442 °	3
DWR ID: DWR_NA0009_01_s_2012_3									
7	2.58	2.61	Earthen Levee	Encroachments	LS M En	FE : Fence	39.160398 ° -122.912837 °	39.159952 ° -122.913220 °	4 Y
DWR ID: DWR_NA0009_01_s_2012_4									
8	2.62	2.67	Earthen Levee	Vegetation	LS M En	V6 : Landscaping	39.159657 ° -122.913345 °	39.159657 ° -122.913345 °	5
DWR ID: DWR_NA0009_01_s_2012_5									
9	2.68	2.73	Earthen Levee	Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.159117 ° -122.913442 °	39.158408 ° -122.913557 °	6
DWR ID: DWR_NA0009_01_s_2012_6									

**\* Location**

LS : Land Side  
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CR : Crown

**\*\* Rating**

A : Acceptable  
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N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Middle Creek	Left	3.42	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	1.75
End Levee Mile	1.75
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of no vegetation on both slopes.

rduffey\_f\_20121129\_368.JPG



Levee Mile Report Line	5
Start Levee Mile	2.40
End Levee Mile	2.40
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of a building & fence along the toe of the levee.

rduffey\_f\_20121129\_369.JPG



Levee Mile Report Line	7
Start Levee Mile	2.58
End Levee Mile	2.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the fences at the L/S toe.

rduffey\_f\_20120911\_151.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 02 Middle Creek			Right	3.13
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2012 - 04/11/2012		11/13/2012 - 11/13/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.	

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek				Right	3.13	11/13/2012 11/13/2012	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.20	0.20	Earthen Levee	Encroachments	LS	U En	BU : Building	39.187039 ° -122.908880 °	39.187039 ° -122.908880 °	1 Y
DWR ID: DWR_NA0009_02_s_2012_1										
2	0.39	0.39	Earthen Levee	Slope Stability	LS	M Ma	S1 : Repair slope instability.	39.185160 ° -122.911138 °	39.185160 ° -122.911138 °	8 Y
DWR ID: DWR_NA0009_02_s_2012_8										
3	1.03	1.04	Earthen Levee	Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.177218 ° -122.913673 °	39.176992 ° -122.913642 °	7 Y
DWR ID: DWR_NA0009_02_s_2012_7										
4	1.05	1.05	Earthen Levee	Encroachments	LS	M En	BU : Building	39.176875 ° -122.913685 °	39.176875 ° -122.913685 °	5 Y
DWR ID: DWR_NA0009_02_s_2012_5										
5	1.06	1.06	Earthen Levee	Encroachments	LS	M Ma	TR : Tree or limb	39.176835 ° -122.913558 °	39.176835 ° -122.913558 °	3 Y
DWR ID: DWR_NA0009_02_s_2012_3										
6	1.06	1.06	Earthen Levee	Encroachments	LS	U En	FE : Fence	39.176815 ° -122.913540 °	39.176815 ° -122.913540 °	2 Y
DWR ID: DWR_NA0009_02_s_2012_2										
7	1.19	1.19	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.174948 ° -122.913401 °	39.174948 ° -122.913401 °	4 Y
DWR ID: DWR_NA0009_02_f_2012_4										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.20
End Levee Mile	0.20
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the vegetation and building next to the landside toe of levee.

rduffey\_f\_20120911\_152.jpg



Levee Mile Report Line	2
Start Levee Mile	0.39
End Levee Mile	0.39
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

View of erosion along slope of the levee by both sides of the headwall.

rduffey\_f\_20120911\_156.jpg



Levee Mile Report Line	4
Start Levee Mile	1.05
End Levee Mile	1.05
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of building & vegetation along the levee toe.

rduffey\_f\_20121129\_364.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Middle Creek	Right	3.13	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the tree prunings on the W/S toe.

rduffey\_f\_20120911\_154.jpg



Levee Mile Report Line	6
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the building & fence along the L/S toe.

rduffey\_f\_20120911\_153.jpg



Levee Mile Report Line	7
Start Levee Mile	1.19
End Levee Mile	1.19
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of no vegetation on both slopes.

rduffey\_f\_20121129\_365.JPG



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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 03 Scotts Creek			Left	1.35
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2012 - 04/11/2012		11/13/2012 - 11/13/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek				Left	1.35	11/13/2012 11/13/2012	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.53	0.53	Earthen Levee	Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.154809 ° -122.918730 °	39.154809 ° -122.918730 °	2 Y
DWR ID: DWR_NA0009_03_f_2012_2										
2	0.97	0.97	Earthen Levee	Encroachments	WS	M	TA : Tank	39.160108 ° -122.922110 °	39.160108 ° -122.922110 °	1 Y
DWR ID: DWR_NA0009_03_s_2012_1										
3	1.06	1.12	Earthen Levee	Vegetation	LS	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.159772 ° -122.923540 °	39.159605 ° -122.924610 °	4
DWR ID: DWR_NA0009_03_s_2012_4										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Scotts Creek	Left	1.35	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.53
End Levee Mile	0.53
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the no vegetation on both slopes.

rduffey\_f\_20121129\_367.JPG



Levee Mile Report Line	2
Start Levee Mile	0.97
End Levee Mile	0.97
Location	Water Side
Category	Earthen Levee
Item	Encroachments

View of a tank that needs to be removed from the W/S slope.

rduffey\_f\_20120911\_157.jpg



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Levee Inspections**

**Unit Cover Sheet**

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**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 04 Poge, Alley and Clover Creek Diversion			Right	1.53
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	04/11/2012 - 04/11/2012		11/13/2012 - 11/13/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
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**Lake County Watershed Protection District**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Poge, Alley and Clover Creek Diversion						Right	1.53	11/13/2012 11/13/2012	Bob Duffey

  

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.64	0.64	Earthen Levee	Vegetation	LS Ma	A	V1 : Control annual grass and weeds on the levee slopes and easements.	39.177097 ° -122.900821 °	39.177097 ° -122.900821 °	1 Y
DWR ID: DWR_NA0009_04_f_2012_1										
2	0.82	0.87	Earthen Levee	Encroachments	LS En	M	FE : Fence	° °	° °	3
DWR ID: DWR_NA0009_04_s_2012_3										
3	1.05	1.18	Earthen Levee	Trim / Thin Trees	LS Ma	M	T1 : Trim trees to at least five feet above ground level.	39.180479 ° -122.896567 °	39.181947 ° -122.895112 °	2 Y
DWR ID: DWR_NA0009_04_s_2012_2										
4	1.19	1.19	Earthen Levee	Encroachments	LS En	M	PR : Prunings	39.182074 ° -122.895053 °	39.182074 ° -122.895053 °	8 Y
DWR ID: DWR_NA0009_04_s_2012_8										
5	1.19	1.26	Earthen Levee	Vegetation	LS Ma	M	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.182154 ° -122.895005 °	39.182951 ° -122.894409 °	9
DWR ID: DWR_NA0009_04_s_2012_9										

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WS : Water Side  
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A/W : Acceptable but Monitor & Maintain

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Poge, Alley and Clover Creek Diversion	Right	1.53	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.64
End Levee Mile	0.64
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the levee with all vegetation removed.

rduffey\_f\_20121128\_363.JPG



Levee Mile Report Line	3
Start Levee Mile	1.05
End Levee Mile	1.18
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Remove the trees and vegetation from the toe of the levee.

rduffey\_f\_20120911\_158.jpg



Levee Mile Report Line	4
Start Levee Mile	1.19
End Levee Mile	1.19
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of the walnut tree prunings along the toe of the levee.

rduffey\_f\_20120911\_159.jpg



**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement



**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Lake County Watershed Protection District**

Waterway			Bank	Unit Miles
Unit No. 05 Clover Creek and Clover Creek Diversion			Left	1.04
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/11/2012 - 04/11/2011		11/13/2012 - 11/13/2012	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Tom Smythe Lake Co.		Tom Smythe Lake Co.	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	11/13/2012 11/13/2012	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.30	0.30	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	39.176957 ° -122.898673 °	39.176957 ° -122.898673 °	3 Y
DWR ID: DWR_NA0009_05_s_ 2012_3										
2	0.88	0.88	Earthen Levee	Vegetation	LS	A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	39.175751 ° -122.909058 °	39.175751 ° -122.909058 °	4 Y
DWR ID: DWR_NA0009_05_f_ 2012_4										

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**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Lake County Watershed Protection District**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Clover Creek and Clover Creek Diversion	Left	1.04	11/13/2012 11/13/2012	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.30
End Levee Mile	0.30
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of the elderberries along the landside toe of the levee.

rduffey\_f\_20120911\_160.jpg



Levee Mile Report Line	2
Start Levee Mile	0.88
End Levee Mile	0.88
Location	Land Side
Category	Earthen Levee
Item	Vegetation

View of on vegetation on both slopes.

rduffey\_f\_20121129\_366.JPG



**\* Location**

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WS : Water Side  
CR : Crown

**\*\* Rating**

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U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement